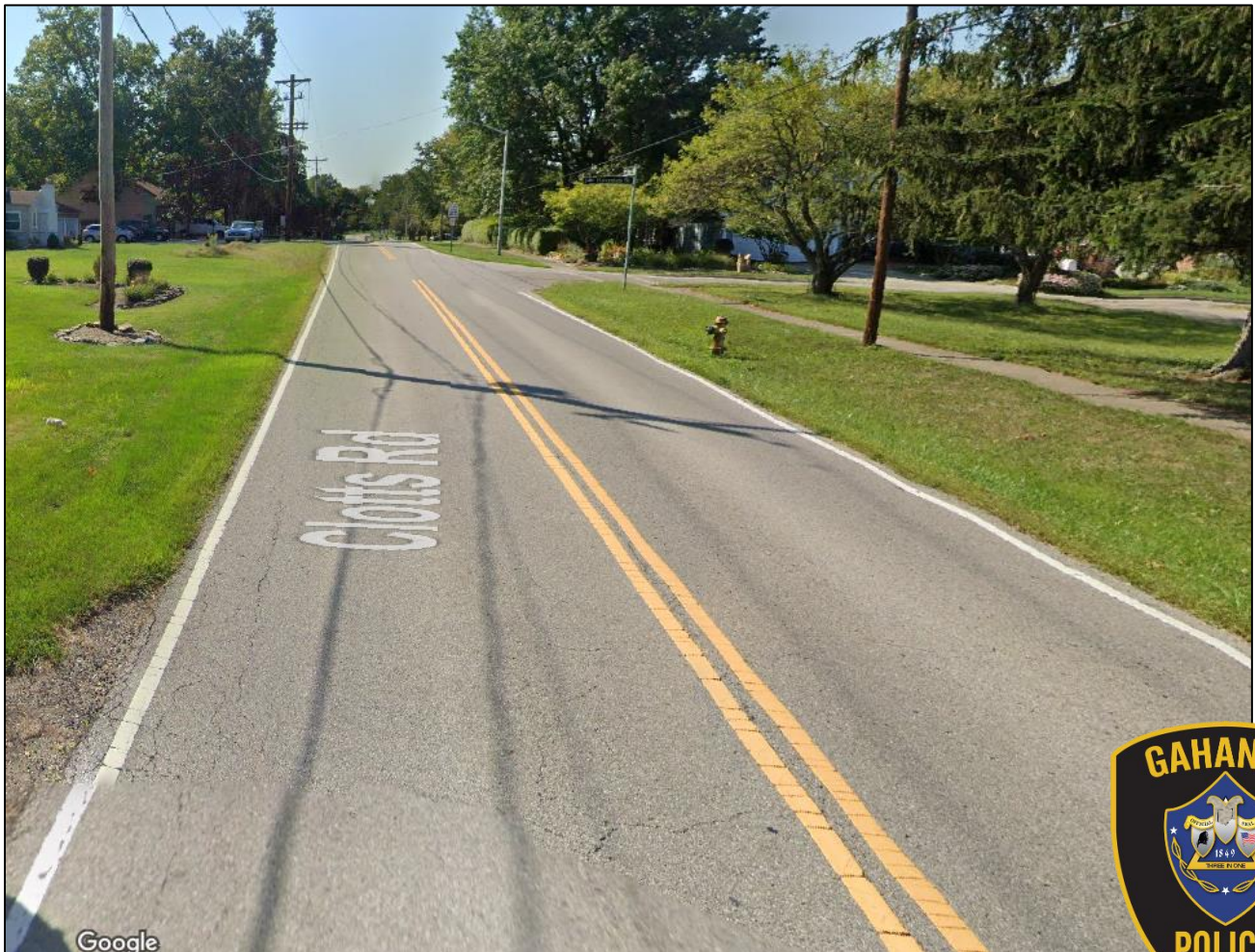


Gahanna Division of Police

Jeffrey B. Spence, Chief of Police



Field Services Subdivision

Traffic Survey

Clotts Road 10-12-21 to 11-1-21

460 Rocky Fork Blvd.

Gahanna, Ohio 43230

614-342-4240

WWW.GAHANNA.GOV

Survey Device: Speed Monitoring and Notification Device (SMND) # 1129

Survey Operator: Lt. Ethan Moffitt # L-58

Device Location: Clotts Road just south of Haversham Drive

Device Direction: Facing southbound traffic (going towards Clark State Road)

Speed Limit: 25 MPH

Survey Dates: 10-12-21 to 11-1-21

Survey Reason: Resident complaint through the Office of the Director of Public Safety

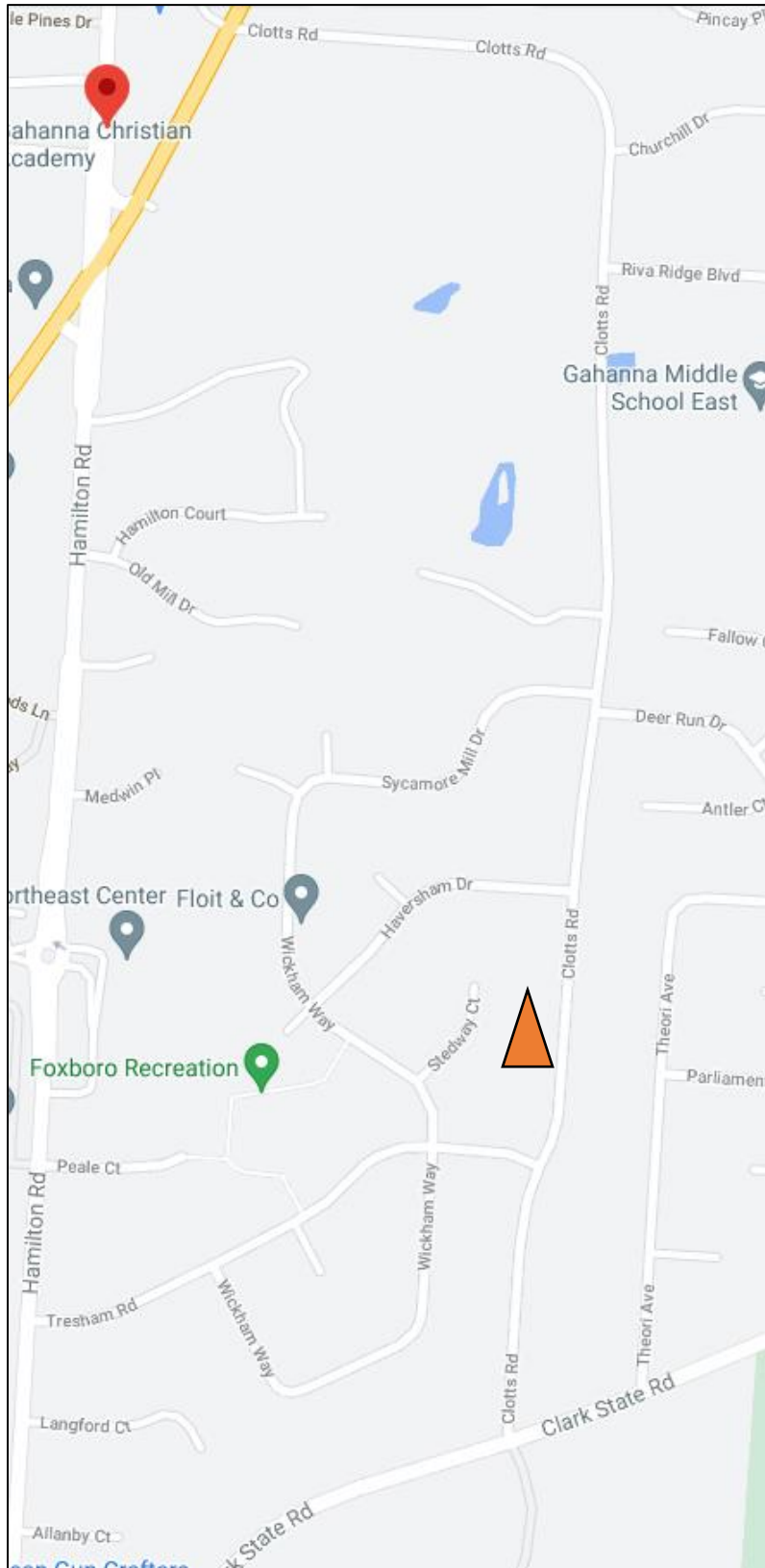
Summary –

On 10-12-21, SMND # 1129 was deployed on Clotts Road, a location associated with many previous community reports of excessive speed. The roadway connects E. Johnstown Road to the north with Clark State Road to the south. It's used by some as an alternate route to avoid Hamilton Road, i.e., "cut through" traffic is common. This, in addition to the relatively long and uninterrupted nature of the roadway, has contributed to excessive speeds. The device was deployed in order to provide a continuous speed mitigation presence.

The SMND recorded the speed of 64,684 vehicles (combined southbound and northbound traffic). Of those, 32,019 or just below 50%, were traveling in excess of the posted speed – a higher percentage relative to other 25 MPH/residential roadways. The remaining 32,665, or other 50%, were traveling below the posted limit. The average speed of vehicles traveling above the posted limit was 29.2 MPH and the overall average speed (vehicles both below and above the posted limit) was 24.5 MPH. The 85th percentile speed was 30 MPH, meaning that 85% of the vehicles were traveling at a speed of 30 MPH or less. Despite the relatively high over-the-limit count, the 85% percentile speed was consistent with other 25 MPH/residential roadways.

Two thousand and eighty-four vehicles were traveling in excess of 35 MPH, accounting for approximately 3% of the total count (64,684) and just over 6% of the over-limit count (32,019). Conversely, 97% of vehicles traveling above the speed limit were going between 26 and 35 MPH.

The survey results demonstrate that the presence of the SMND provided a measure of speed mitigation. Clotts Road will remain a focus of directed speed enforcement to further mitigate excessive speeds and promote roadway safety.

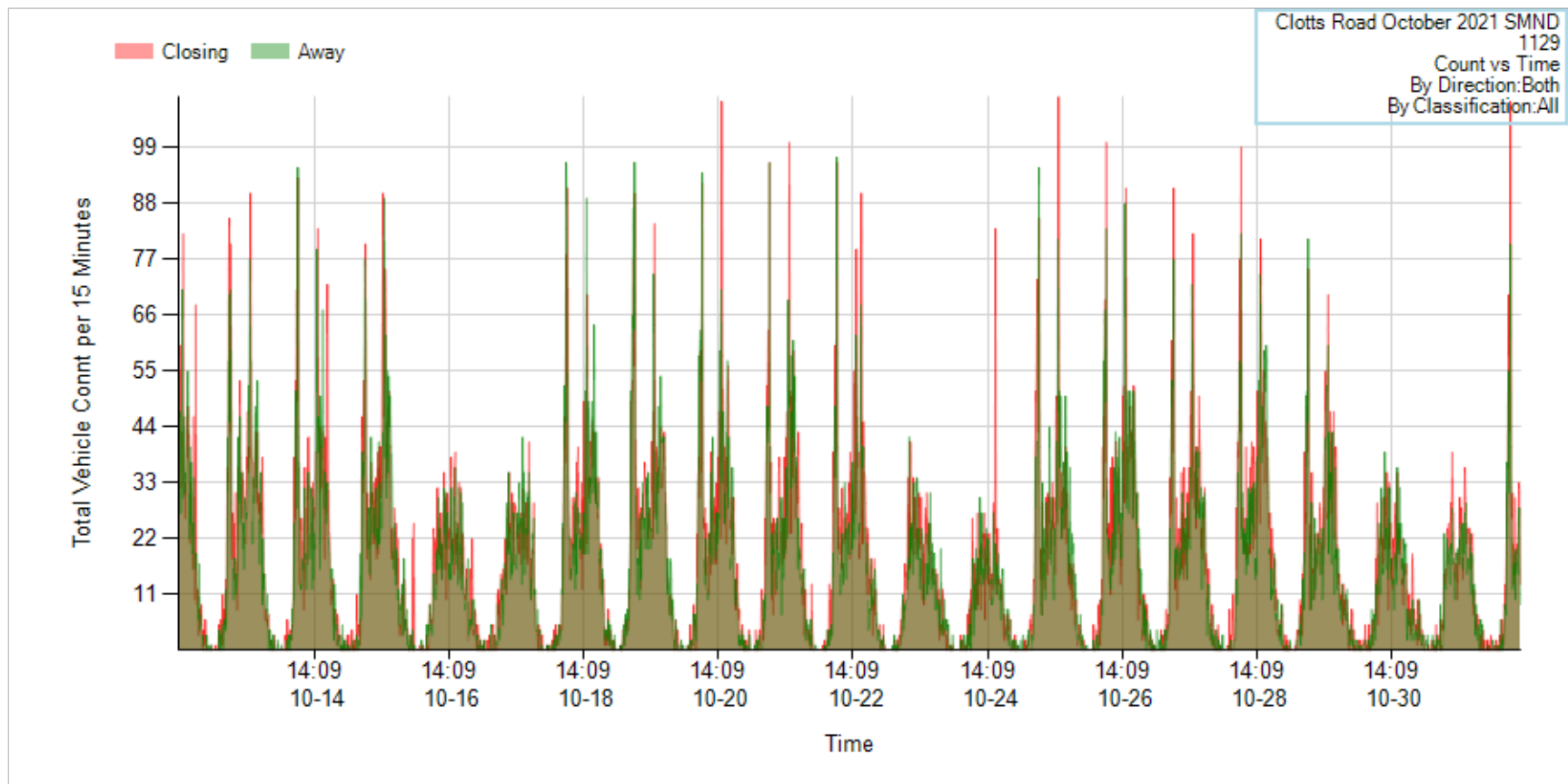




GAHANNA DIVISION OF POLICE CLOTTS ROAD - OCTOBER 2021 SPEED SURVEY



Count vs. Time



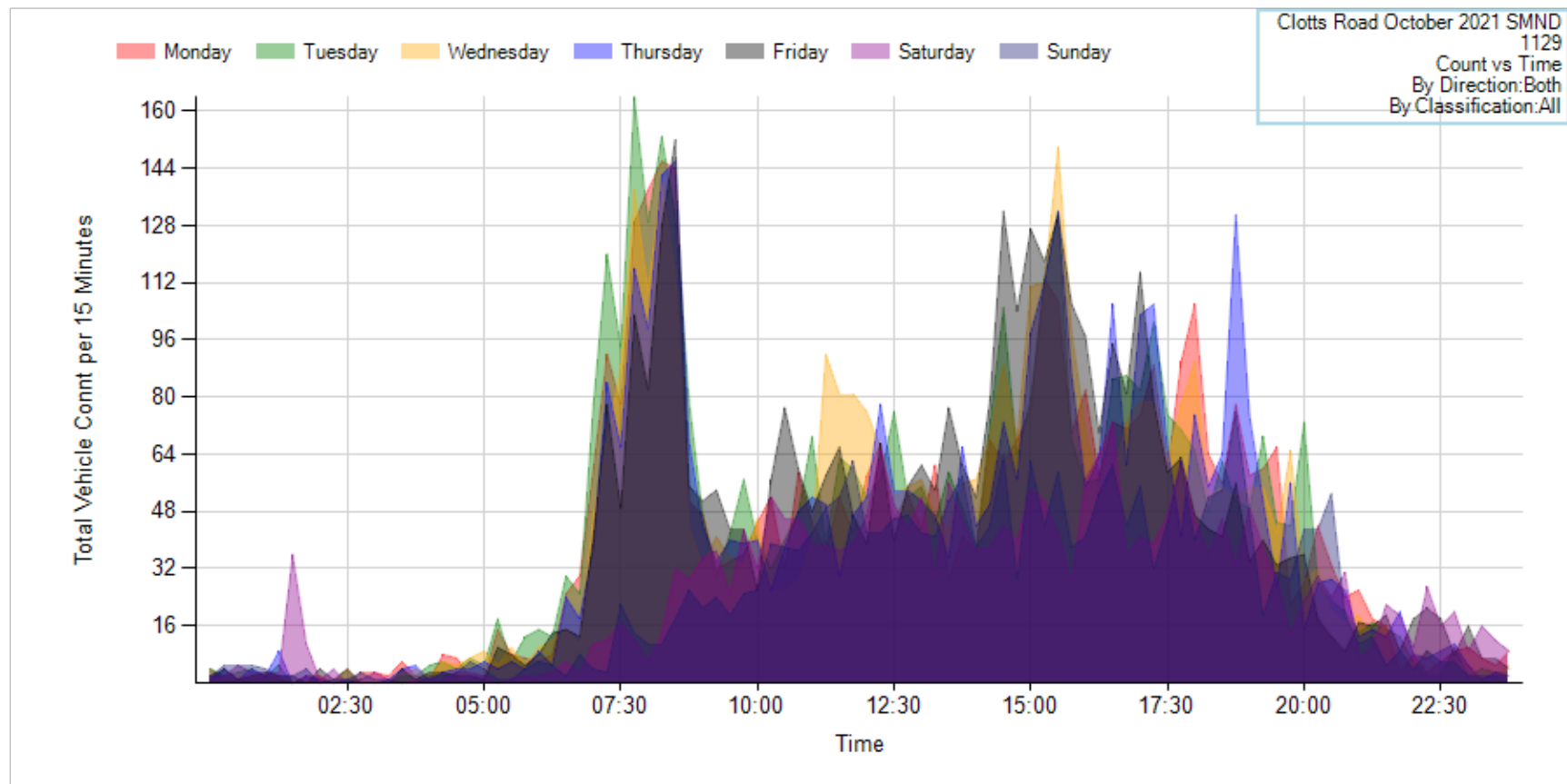
Survey Name	Clotts Road October 2021	Speed Unit	Miles/Hour	Average Speed	24.5	MPH	Total Volume	64684	100%
Start Date	2021-10-12	Speed Limit	25	Max Speed	73	MPH	Over Limit Count	32019	49.5%
Stop Date	2021-11-01			Min Speed	10	MPH	Under Limit Count	32665	50.5%
				85th Percentile	30	MPH	Over Threshold Count	2084	3%
				10 MPH Pace	20 - 29	MPH	In Pace Count	39261	60.7%



GAHANNA DIVISION OF POLICE CLOTTS ROAD - OCTOBER 2021 SPEED SURVEY



Weekly Count vs. Time



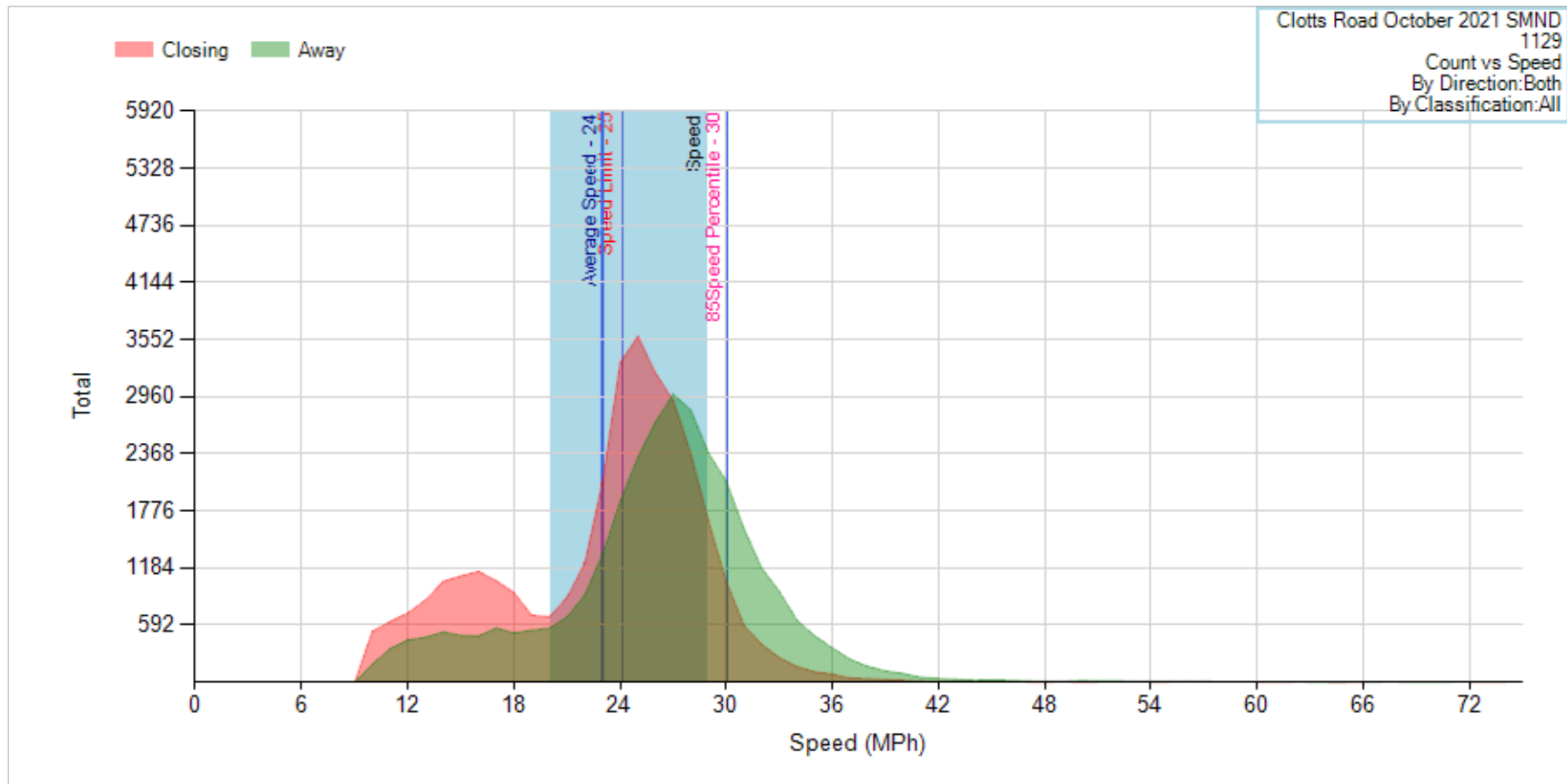
Survey Name	Clotts Road October 2021	Speed Unit	Miles/Hour	Average Speed	24.5	MPH	Total Volume	64684	100%
Start Date	2021-10-12	Speed Limit	25	Max Speed	73	MPH	Over Limit Count	32019	49.5%
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				10 MPH Pace	20 - 29	MPH	In Pace Count	39261	60.7%



GAHANNA DIVISION OF POLICE CLOTTS ROAD - OCTOBER 2021 SPEED SURVEY



Count vs. Speed



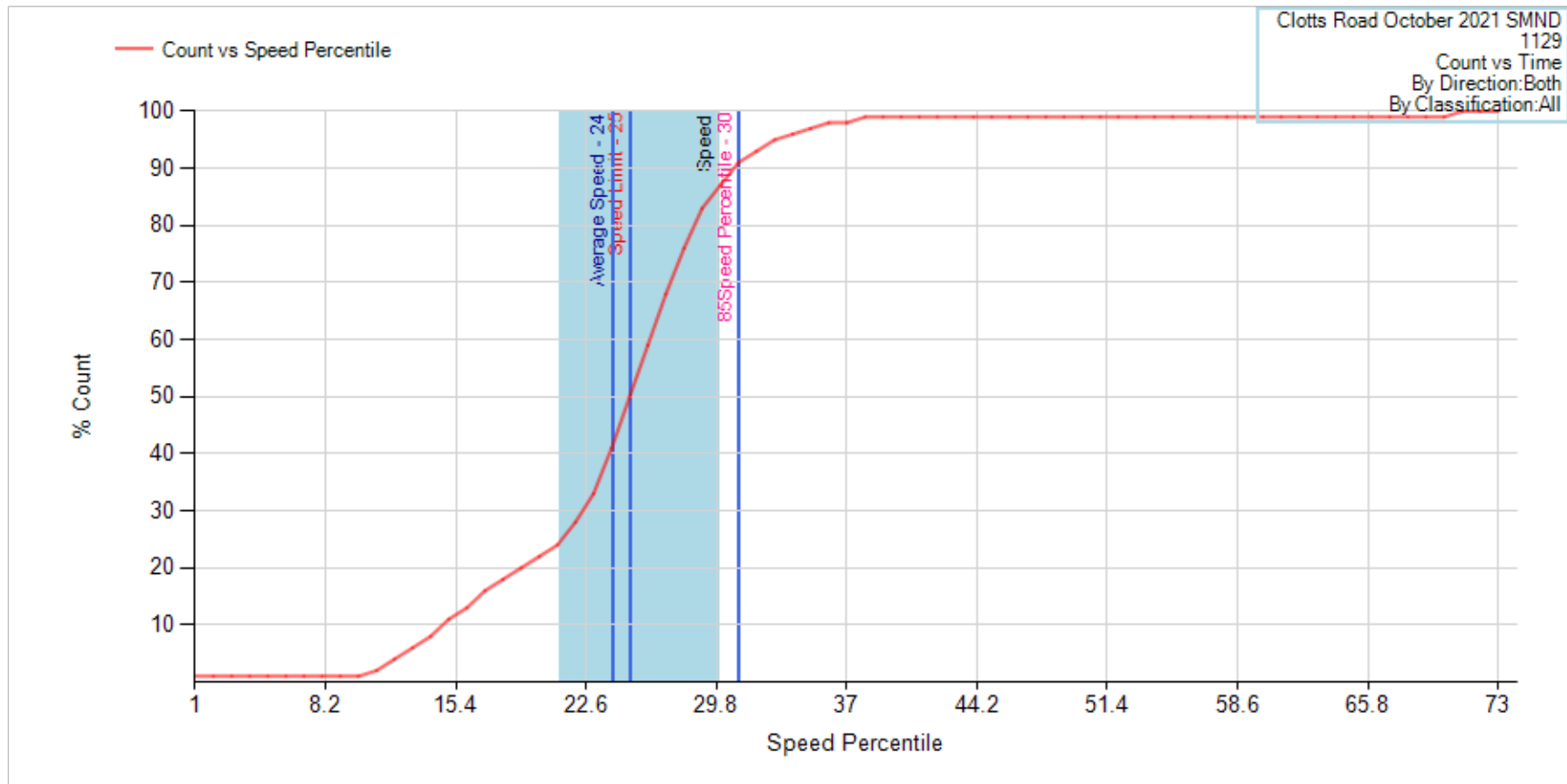
Survey Name	Clotts Road October 2021	Speed Unit	Miles/Hour	Average Speed	24.5	MPH	Total Volume	64684	100%
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				10 MPH Pace	20 - 29	MPH	In Pace Count	39261	60.7%



GAHANNA DIVISION OF POLICE CLOTTS ROAD - OCTOBER 2021 SPEED SURVEY



Percentile Chart



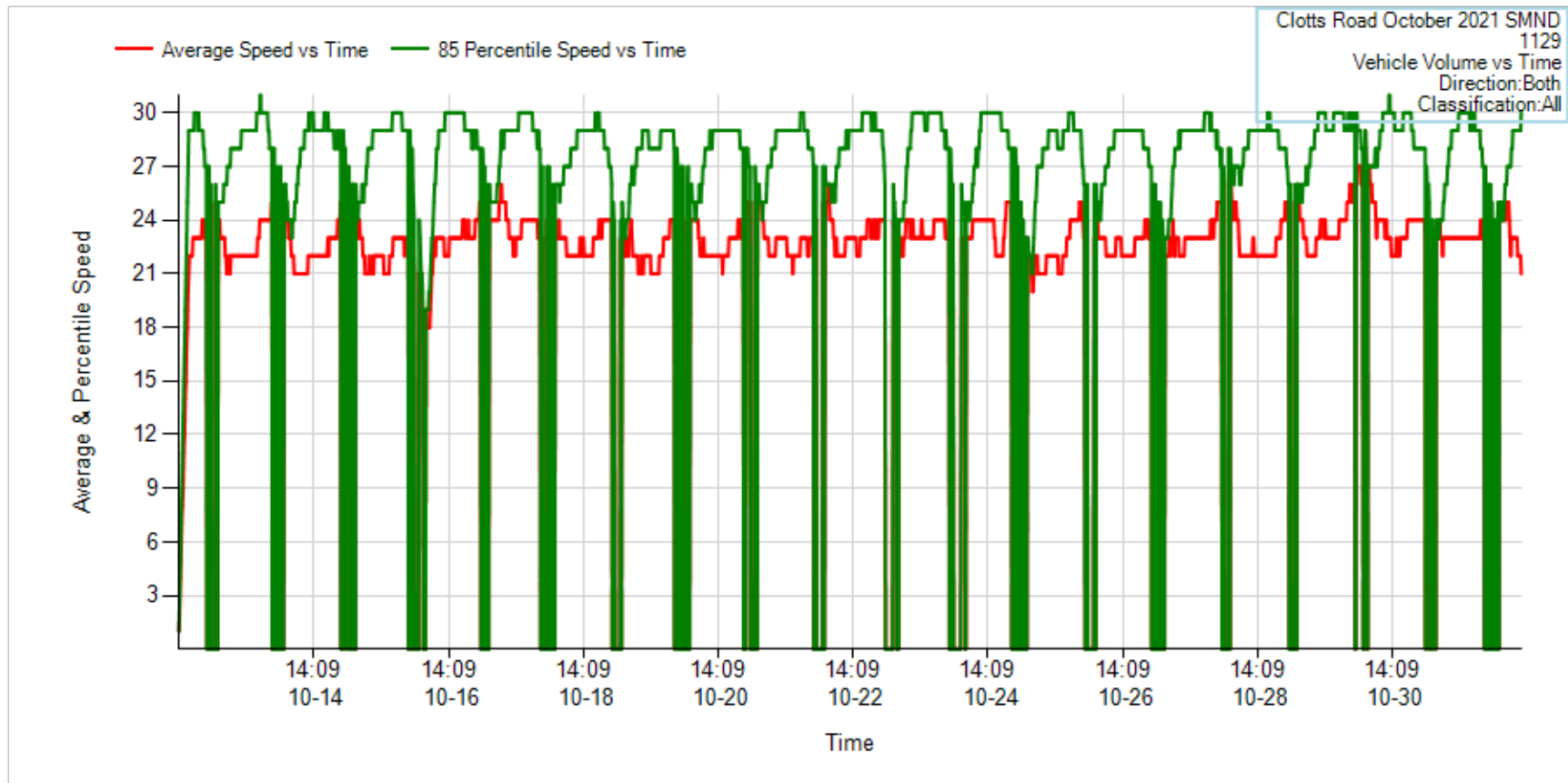
Survey Name	Clotts Road October 2021	Speed Unit	Miles/Hour	Average Speed	24.5	MPH	Total Volume	64684	100%
Start Date	2021-10-12	Speed Limit	25	Max Speed	73	MPH	Over Limit Count	32019	49.5%
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GAHANNA DIVISION OF POLICE CLOTTS ROAD - OCTOBER 2021 SPEED SURVEY



Average Speed vs. Time



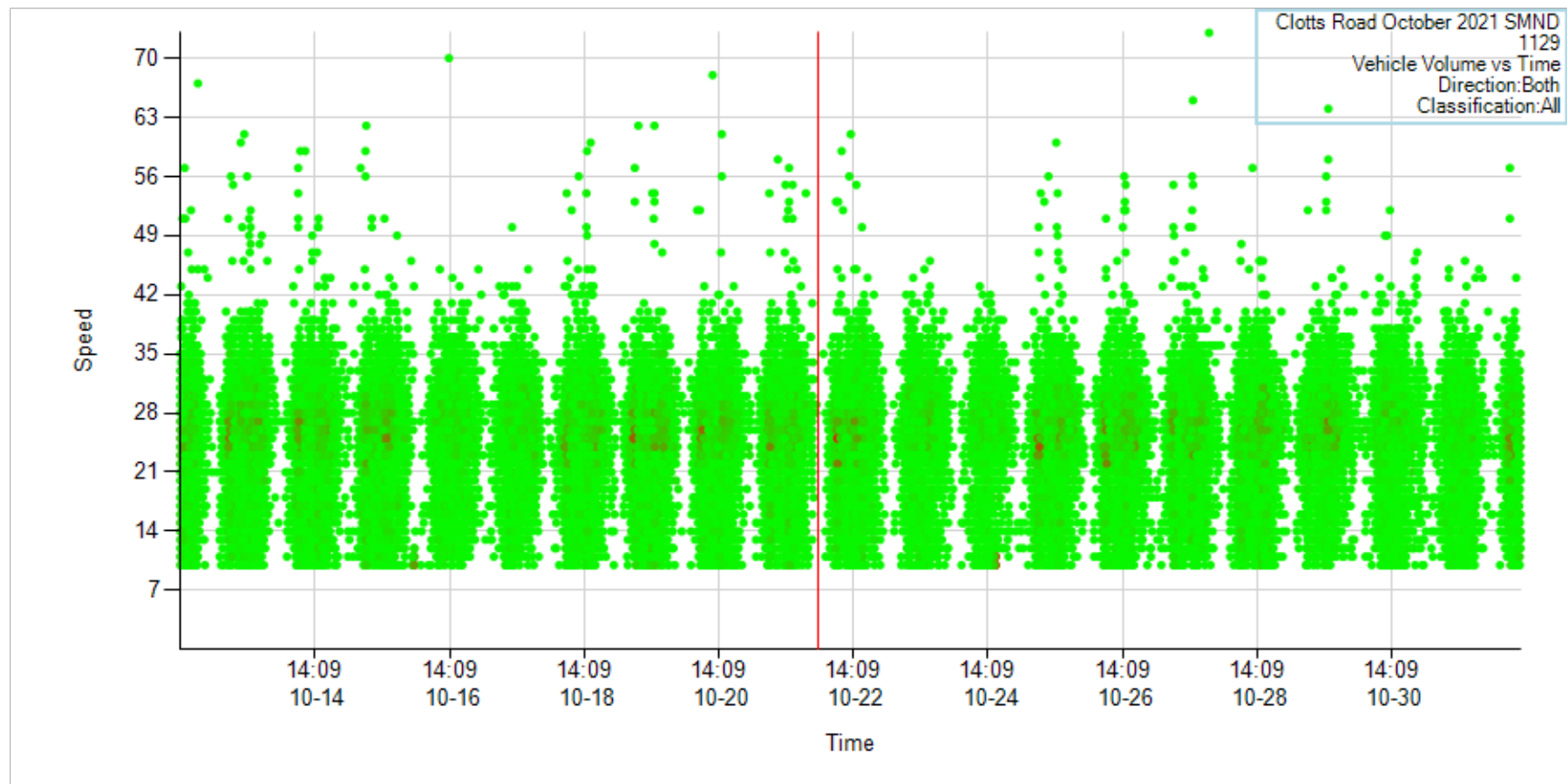
Survey Name	Clotts Road October 2021	Speed Unit	Miles/Hour	Average Speed	24.5	MPH	Total Volume	64684	100%
Start Date	2021-10-12	Speed Limit	25	Max Speed	73	MPH	Over Limit Count	32019	49.5%
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				10 MPH Pace	20 - 29	MPH	In Pace Count	39261	60.7%



GAHANNA DIVISION OF POLICE CLOTTS ROAD - OCTOBER 2021 SPEED SURVEY



Speed vs. Time Bubble Chart



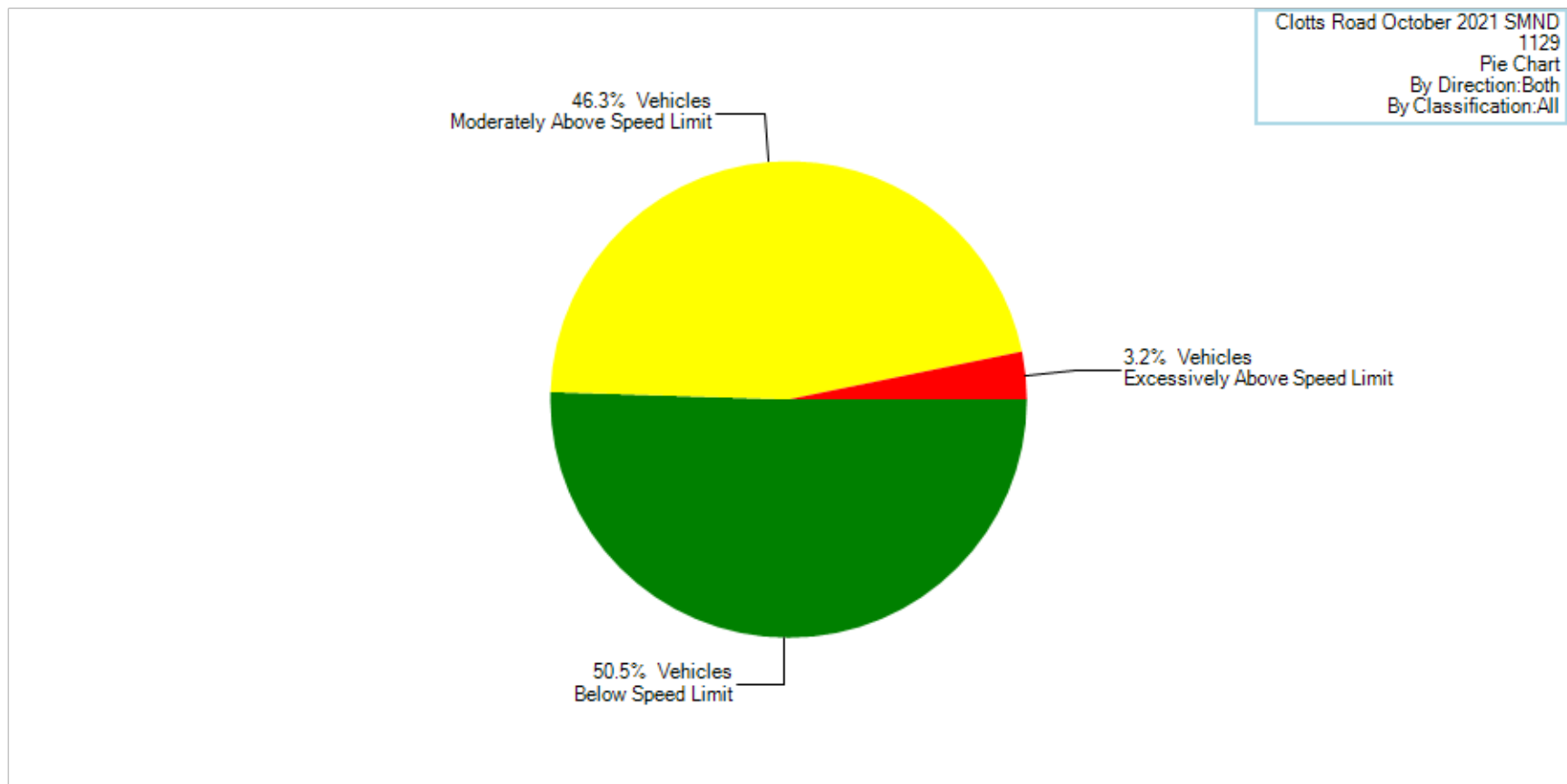
Survey Name	Clotts Road October 2021	Speed Unit	Miles/Hour	Average Speed	24.5	MPH	Total Volume	64684	100%
Start Date	2021-10-12	Speed Limit	25	Max Speed	73	MPH	Over Limit Count	32019	49.5%
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				10 MPH Pace	20 - 29	MPH	In Pace Count	39261	60.7%



GAHANNA DIVISION OF POLICE CLOTTS ROAD - OCTOBER 2021 SPEED SURVEY



Enforcement



Survey Name	Clotts Road October 2021	Speed Unit	Miles/Hour	Average Speed	24.5	MPH	Total Volume	64684	100%
Start Date	2021-10-12	Speed Limit	25	Max Speed	73	MPH	Over Limit Count	32019	49.5%
Stop Date	2021-11-01			Min Speed	10	MPH	Under Limit Count	32665	50.5%
				85th Percentile	30	MPH	Over Threshold Count	2084	3%
				10 MPH Pace	20 - 29	MPH	In Pace Count	39261	60.7%

GAHANNA DIVISION OF POLICE
CLOTTS ROAD - OCTOBER 2021 SPEED SURVEY

Survey Name	Clotts Road October 2021 SM...	Location	564 Clotts Road,Gahanna, Ohio	Speed Unit	Miles/Hour
Start	2021-10-12 14:09	Traffic Direction	Undefined	Speed Limit	25
Stop	2021-11-01 11:59	Zone	Normal	Min Speed Threshold	10
Operator	000	Min Following Time	0.0	Max Speed Threshold	120
Survey Direction	Both	Time Resolution	1	Speed Resolution	1

Total Vehicle Connt	64684	100%	Average Speed	24.5	MPH	In Pace Count	39261	60%
Under Limit Count	32665	50%	Minimum Speed	10	MPH	10 mph Pace	20 - 29	MPH
Over Limit Count	32019	50%	Maximum Speed	73	MPH	Standard Deviation	6	MPH
10 Over Limit Count	2084	3%	85Speed Percentile	30	MPH	Average Speed Over Limit	29.2	MPH

Survey Report Quick Guide/Reference

Over Threshold Count

The default threshold (amount over the posted speed limit) is 10 MPH. The **Over Threshold Count** is the number of vehicles traveling in excess of the selected threshold. For example, if the threshold is set at the 10 MPH default, this would indicate the number of vehicles (within the Total Volume) that were traveling at 10 MPH over the posted limited.

Count vs. Time

The **Count vs Time Chart** shows the number of vehicles per unit of time traveling on the monitored roadway.

Weekly Count vs. Time Chart

The **Weekly Count vs. Time Chart** mode shows the vehicle count per day over a 7-day period. If the survey period extends beyond one 7- day week, the values of each overlapped week day will be the average values for those overlapped week days.

Count vs. Speed Chart

The **Count vs. Speed Chart** selection shows the total vehicle count for each speed group. The size of the speed group can be set by the operator (**Speed Resolution** selection in the **Analysis Control**).

Percentile Chart

The **Percentile Chart** shows the cumulative percentage of vehicles that are at or below a given speed

Average Speed vs. Time Chart

The **Average Speed vs. Time Chart** shows the average and the 85th Percentile Speeds of the vehicles over time.

Speed vs. Time Bubble Chart

The **Speed vs. Time Bubble Chart** plots both vehicle speed and volume against time. The size of the bubble represents the number of cars at a particular speed group at a particular time. This chart is useful in showing traffic bunching.

Average Speed

The average speed of all vehicles

85Speed Percentile

The speed at which 85% of the traffic was traveling **at or less than**. The 85th percentile is considered to be a key metric because it is generally considered to be representative of the prevailing traffic conditions (the speed vehicles on the roadway are going most of the time).